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06-07-2001



**ASSIGNMENT RECORD
-PATENTS**

101744401

To: Honorable Commissioner of Patents and Trademarks:

Please record the attached original document(s) or copy thereof.

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Technology Center 2100

1. Name of conveying party(ies)

- a) Chaohuang Zeng
- b) Carlos Aldana
- c) Atul Salvekar
- d) John M. Cioffi

2. Name and address of receiving party(ies):

- a) Name: The Board of Trustees of the Leland Stanford Junior University
- Address: Office of Technology Licensing
900 Welch Road, Suite 350
Palo Alto, CA 94304-1850

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3. Nature of conveyance

- | | |
|--|--|
| <input checked="" type="checkbox"/> Assignment | <input type="checkbox"/> Merger |
| <input type="checkbox"/> Security Agreement | <input type="checkbox"/> Change of Name |
| <input type="checkbox"/> Other _____ | <input type="checkbox"/> License Agreement |

Execution Dates: May 22 & 24, 2001

4. Application Number(s) or Patent Number(s): 09/788,267

The title of the (new) application is:

CROSSTALK IDENTIFICATION IN XDSL SYSTEMS

5. Please send all correspondence concerning this (these) documents to:

Customer Number: 022434

**BEYER WEAVER & THOMAS, LLP
P.O. Box 778
Berkeley, CA 94704-0778
Phone (650) 961-8300
Fax (650) 961-8301**

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

- ☒ Enclosed
- ☒ Any additional fees are authorized to be charged to Deposit Account No. 500388 (Order No. STFUP017)

8. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Date: May 30, 2001

Steve D Beyer
Registration No. 31,234

06/05/2001 SDENB081 00000010 09788267

01 FC:581

40.00 DP

Attorney Docket No. STFUP017

ASSIGNMENT OF PATENT APPLICATION
(Not Accompanying Application)

Whereas I/we the undersigned inventor(s) have invented certain new and useful improvements as set forth in the patent application entitled:

CROSSTALK IDENTIFICATION IN XDSL SYSTEMS

for which I (we) have executed an application for a United States Letters Patent which was filed in the U.S. Patent and Trademark Office on February 16, 2001, and which bears the Application No. 09/788,267.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We the undersigned inventor(s) hereby:

Sell(s), assign(s) and transfer(s) to THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, a California corporation having a place of business at Office of Technology Licensing, 900 Welch Road, Suite 350, Palo Alto, California 94304-1850, (hereinafter referred to as ("ASSIGNEE")), the entire right title and interest in any and all improvements and inventions disclosed in, application(s) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in the above referenced application.

2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division(s), continuation(s), substitutes(s) or reissue(s) thereof to the ASSIGNEE.

3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative and applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.

4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon the inventor(s), as well as the inventor's heirs, legal representatives and assigns.

5) Warrant and represent that I/we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the date(s) indicated beside my (our) signature(s).

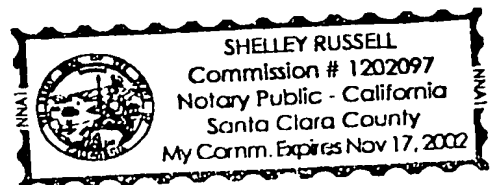
1. Inventor Signature: Chaohuang Zeng Date: 5/22/01
Chaohuang Zeng

State of California)
County of Santa Clara) ss.

On this 22nd day of May, in the year 2001, before me, Shelley Russell, Notary Public, personally appeared Chaohuang Zeng, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Notary Signature Shelley Russell (SEAL.)



2. Inventor Signature: _____

Carlos Aldana

Date: _____

5/22/01

State of California)

ss.)

County of Santa Clara)

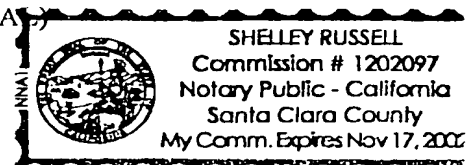
On this 22nd day of May, in the year 2001, before me, Shelley Russell, Notary Public, personally appeared Carlos Aldana, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Notary Signature _____

Shelley Russell

(SEAL)



3. Inventor Signature: _____

Atul Salvekar

Date: _____

5/24/01

State of California)

ss.)

County of SANTA CLARA)

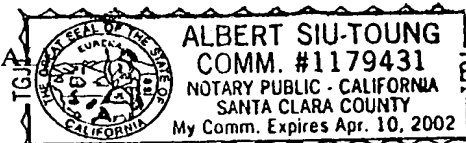
On this 24th day of MAY, in the year 2001, before me, ALBERT SIU-TOUNG, Notary Public, personally appeared Atul Salvekar, ~~personally known to me~~ (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/~~she~~ executed the same in his/her authorized capacity(~~ies~~), and that by his/~~her~~ signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Notary Signature _____

Albert Siu-Toung

(SEAL)



4. Inventor Signature: _____

John M. Cioffi

Date: _____

5/22/01

State of California)

ss.)

County of Santa Clara)

On this 22nd day of May, in the year 2001, before me, Shelley Russell, Notary Public, personally appeared John M. Cioffi, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Notary Signature _____

Shelley Russell

(SEAL)

